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Amendments to the Claims

Claims 1-9 (Canceled).

- 10. (New) A method of determining whether or not the binding of a molecule to a ligand is specific, which method comprises:
- (i) treating a sample comprising the molecule with a solid phase carrier onto which is immobilized the ligand to obtain a once-treated liquid,
- (ii) extracting the molecule bound to the ligand immobilized on the solid phase carrier in (i) to obtain a ligand-immobilized solid phase carrier extract 1,
- (iii) treating the once-treated liquid obtained in (i) with a solid phase carrier onto which is immobilized the ligand to obtain a twice-treated liquid,
- (iv) extracting the molecule bound to the ligand immobilized on the solid phase carrier in (iii) to obtain a ligand-immobilized solid phase carrier extract 2,
- (v) comparing and/or analyzing the molecule contained in the ligand-immobilized solid phase carrier extract 1 and the molecule contained in the ligand-immobilized solid phase carrier extract 2, and
- (vi) identifying a molecule, which is detected in the ligand-immobilized solid phase carrier extract 1 and which is not detected in the ligand-immobilized solid phase carrier extract 2 or which is detected in the ligand-immobilized solid phase carrier extract 2 at a significantly lower level than in the ligand-immobilized solid phase carrier extract 1, on the basis of (v), whereupon the molecule is determined to be specific for the ligand.
- 11. (New) The method of claim 10, which comprises repeating (iii) and (iv) twice or more.
- 12. (New) A method of determining whether or not the binding of a molecule to a ligand is specific, which method comprises:
- (i) dividing a sample into first and second portions, and treating the first portion with a solid phase carrier onto which is immobilized an inert substance to obtain a first oncetreated liquid,
- (ii) treating the first once-treated liquid with a solid phase carrier onto which is immobilized a ligand to obtain a first twice-treated liquid,
- (iii) extracting the molecule bound to the ligand immobilized on the solid phase carrier in (ii) to obtain a ligand-immobilized solid phase carrier extract 1,

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- (iv) treating the second portion with a solid phase carrier onto which is immobilized the ligand to obtain a second first-treated liquid,
- (v) treating the second first-treated liquid with a solid phase carrier onto which is immobilized the ligand to obtain a second twice-treated liquid,
- (vi) extracting the molecule bound to the ligand immobilized on the solid phase carrier in (v) to obtain a ligand-immobilized solid phase carrier extract 2,
- (vii) comparing and/or analyzing the molecule contained in the ligand-immobilized solid phase carrier extract 1 and the molecule contained in the ligand-immobilized solid phase carrier extract 2, and
- (viii) identifying a molecule, which is detected in the ligand-immobilized solid phase carrier extract 1 and which is not detected in the ligand-immobilized solid phase carrier extract 2, or which is detected in the ligand-immobilized solid phase carrier extract 2 at a significantly lower level than in the ligand-immobilized solid phase carrier extract 1, on the basis of (vii), whereupon the molecule is determined to be specific for the ligand.
 - 13. (New) The method of claim 12, wherein the inert substance is stearic acid.
- 14. (New) The method of claim 12, wherein the inert substance is structurally similar to the subject ligand, and does not possess the physiological activity possessed by the ligand.
 - 15. (New) The method of claim 10, wherein the sample is a biological sample.
 - 16. (New) The method of claim 12, wherein the sample is a biological sample.
- 17. (New) The method of claim 10, which further comprises calculating the binding constant of the molecule binding to the ligand.
- 18. (New) The method of claim 12, which further comprises calculating the binding constant of the molecule binding to the ligand.